

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent application of: Liu, et al.  
Application No.: 10/034,057

Filed: December 27, 2001

Title: EFFICIENT AVAILABLE BANDWIDTH  
USAGE IN TRANSMISSION OF COMPRESSED  
VIDEO DATA

Attorney Docket No.: CISCP276/5171

Examiner: To Be Assigned

Group: Unknown

**RECEIVED**

MAR 01 2002

Technology Center 2600

CERTIFICATE OF MAILING  
I hereby certify that this correspondence is being deposited with the  
United States Postal Service as First Class Mail to: Commissioner for  
Patents, Washington, DC 20231 on February 4, 2002.

Signed:   
Deborah Neill

**INFORMATION DISCLOSURE STATEMENT  
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

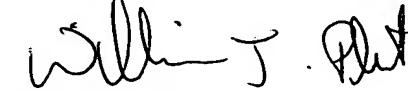
This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is

believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. CISCP276 ).

Respectfully submitted,

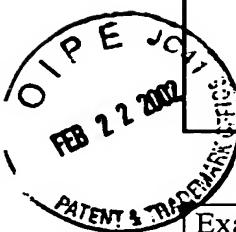
BEYER WEAVER & THOMAS, LLP



William J. Plut

Limited Recognition Under 37 C.F.R. § 10.9(b)

P.O. Box 778  
Berkeley, CA 94704-0778  
(510) 843-6200



<b>Form 1449 (Modified)</b> <b>Information Disclosure Statement By Applicant</b> (Use Several Sheets if Necessary)				Atty Docket No. <b>CISCP276/5171</b>	Application No.: <b>10/034,057</b>
				Applicant: <b>Liu, et al.</b>	Group <b>Unknown</b>
				Filing Date <b>December 27, 2001</b>	Technology Center <b>2600</b>
				<b>RECEIVED</b> <b>MAR 01 2002</b>	

### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,861,919	01/19/99	Perkins, et al.			11/10/97
	B	5,862,140	01/19/99	Shen, et al.			11/21/95
	C	6,181,711	01/30/01	Zhang, et al.			10/10/97
	D	6,192,083	02/20/01	Linzer, et al.			07/11/00

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	E							

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication					
	F	Zhang, et al., "Methods And Apparatus For Efficient Scheduling And Multiplexing", U.S. Patent Application No. 09/684,623, filed October 5, 2000, 62 pages.					
	G	Huifang Sun, et al., <i>Architectures for MPEG Compressed Bitstream Scaling</i> , IEEE Transactions on Circuits and Systems for Video Technology, Vol: 6, No. 2, April 1996, pp. 191-199.					
	H	Wei Ding, <i>Joint Encoder and Channel Rate Control of VBR Video over ATM Networks</i> , IEE Transactions on Circuits and Systems for Video Technology, Vol. 7, No. 2, April 1997, pp. 266-278.					
	I	ISO/IEC <i>Information Technology-Generic Coding Of Moving Pictures And Associated Audio: Systems</i> , ISO/IEC 13818-1, Nov. 13, 1994, 135 pages.					
	J	ISO/IEC <i>Information Technology-Generic Coding Of Moving Pictures And Associated Audio Information: Video</i> , ISO/IEC 13818-2, 1995, 209 pages.					
Examiner		Date Considered					

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

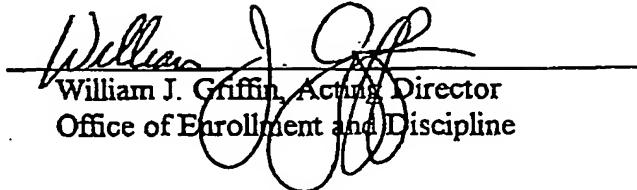
BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE  
UNITED STATES PATENT AND TRADEMARK OFFICE

**LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)**

William Plut is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of the Beyer, Weaver, and Thomas, LLP law firm to prepare and prosecute patent applications wherein the patent applicant is the client of the Beyer, Weaver, and Thomas, LLP law firm, and the attorney or agent of record in the applications is a registered practitioner who is a member of the Beyer, Weaver, and Thomas, LLP law firm. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to the date appearing below: (i) William Plut ceases to lawfully reside in the United States, (ii) William Plut's employment with the Beyer, Weaver, and Thomas, LLP law firm ceases or is terminated, or (iii) William Plut ceases to remain or reside in the United States on an TN visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the United States Patent and Trademark Office.

Expires: June 10, 2002

  
\_\_\_\_\_  
William J. Griffin, Acting Director  
Office of Enrollment and Discipline